

# Recombinant human CuL1 protein

Catalog Number: ATGP0753

## PRODUCT INFORMATION

**Expression system**

E.coli

**Domain**

1-410aa

**UniProt No.**

Q13616

**NCBI Accession No.**

NP\_003583

**Alternative Names**

Cullin-1, CuL-1, Cullin-1, MGC149834, MGC149835

## PRODUCT SPECIFICATION

**Molecular Weight**

49.4 kDa (430aa) confirmed by MALDI-TOF

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl

**Purity**

> 95% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**Description**

Cullin1, also known CuL1, is a core component of multiple cullin-RING-based SCF (SKP1-CuL1-F-box protein) E3 ubiquitin-protein ligase complexes, which mediate the ubiquitination of proteins involved in cell cycle progression, signal transduction and transcription. In the SCF complex, it serves as a rigid scaffold that organizes the SKP1-F-box protein and RBX1 subunits. Cullin1 may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. Recombinant human CuL1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MSSTRSQNPH GLKQIGLDQI WDDLRAIQQ VYTRQSMAS RYMELYTHVY  
 NYCTSVHQSN QARGAGVPPS KSKKGQTPGG AQFVGLELYK RLKEFLKNYL TNLLKDGEDL MDESVLKFYT QQWEDYRFSS  
 KVLNGICAYL NRHWVRRECD EGRKGIYEIY SLALVTWRDC LFRPLNKQVT NAVLKIEKE RNGETINTRL ISGVVQSYVE  
 LGLNEDDAFA KGPTLTVYKE SFESQFLADT ERFYTRESTE FLQQNPVTEY MKKAEARLLE EQRRVQVYLH ESTQDELARK  
 CEQVLIEKHL EIFHTEFQNL LDADKNEDLG RMYNLVSRIQ DGLGELKKLL ETHIHNQGLA AIEKCGEAL NDPKMYVQTV  
 LDVHKYNAL VMSAFNNDAG FVAALDKACG RFINNNAVTK

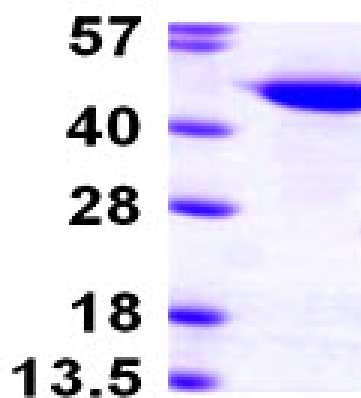
## General References

Michel JJ., et al. (1998) Cell Growth Differ. 9(6):435-49.  
 Kipreos ET., et al. (1996) Cell. 85(6):829-39.

## DATA

### SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)